Data Sheet
FUJITSU FUTRO S900
Thin Client

The Expandable Multi-talent

The individually configurable FUJITSU FUTRO S900 thin client has all the flexibility you need to optimize secure server-based computing and desktop virtualization. This simple, reliable yet powerful front-end device is easy to integrate and manage. It also offers expansion slots and unique connectivity options to maximize user convenience. Plus, its long lifecycle helps you minimize TCO.

Green technology
Your company's contribution to environmental protection
- A modern, environmentally conscious product concept - from development to recycling

Relaxed working
Quiet system for a pleasant working environment
- Flash memory and passive cooling concept

Energy efficiency
Saves energy and reduces CO2 emissions
- Integrated system concept with power-saving components

Manageability
Easy administration while reducing total cost of ownership
- Outstanding manageability solution

Backpack solution
Less space needed
- The FUJITSU FUTRO S900 can be mounted behind the screen

Technical details Components

Memory modules	2 GB (1 module(s) 2 GB) DDR3, 1,066 MHz, PC3-8500, SO DIMM
Graphics	DVI to VGA Adapter
	DP to DVI-D (single link) Adapter Cable
	AMD FirePro™ V3900, 1 GB
Hard disk drives (internal)	mSATA, 1 GB Flash drive
	mSATA, 2 GB Flash drive
	mSATA, 4 GB Flash drive
	mSATA, 8 GB Flash drive
	mSATA, 16 GB Flash drive
Interface add on cards/components (optional)	
	Parallel Card (1 Port)
	Internal speaker
	Dual serial card PCIe x1
	2nd LAN/Power-over-Ethernet module
Base unit	FUTRO S900
Operating system and software (Linux)	
Operating system	eLux™ RP – Embedded Linux
Functions	Citrix® Receiver for Linux (for ICA / HDX protocol), V13.0.3.1-1 Citrix® HDX RealTime Media Engine, V1.4.0.902-1 VMware® Horizon View Client (for PCoIP protocol), V5.4.4.1-1 (optional) FreeRDP Client (for RDP protocol), V1.0.2.1-17 RDPConnect, V3.1-1 Adobe® Flash Player 11 for Linux, V11.2.202.356-1 Mozilla Firefox® Browser, V24.4.0-1 VPN System, V4.4-2 ThinPrint® client, V7.0.41-2 Bios_tools for remote BIOS updates via Scout Enterprise, V2.1-1 PowerTerm InterConnect, V7.1.2-3, (requires additional license for activation) Updates and all available software packages for eLux™ RP can be downloaded from www.myelux.com
Manageability	optional: Scout Enterprise for flash memory management, embedded operating system update and system monitoring, BIOS update, managing devices by location, group or user, individual operating system composition with ELIAS
Operating system and software (Windows)	
Operating system	Windows Embedded Standard 7 (WS7E multimedia) Windows Embedded Standard 7 (WS7P)

Operating system and software (Windows)	
Functions	WS7E multimedia: Citrix® Receiver Enterprise V 3.3 or newer WS7E multimedia: VMware® View Client V 5.2.0-848202 or newer (including support for PCoIP) WS7E multimedia: RDP-Client Protocol V 7.1 with RemoteFX or newer WS7E multimedia: Internet Explorer 9 WS7E multimedia: Acrobat Reader X or newer WS7E multimedia: .NET Framework 4.0 or newer WS7E multimedia: Scout Agent for Windows® Embedded Standard 7 WS7E multimedia: WEDM Microsoft Windows Embedded Device Manager Language: EN, DE (FR, IT, ES in addition for pre-installation 1) Citrix Receiver Enterprise 3.4 VMware View Client 5.2.1 RDP-Client Protocol V 7.1 with RemoteFX Scout Agent for WES 7 (Build 57) WEDM Microsoft Windows Embedded Device Manager Sumatra PDF Reader 2.1.1 DotNET Framework 2.0, 3.0, 3.5 (4.0 in addition for pre-installation 1) Internet Explorer 9 Media Player 12 Premium Multimedia Codecs Adobe Flashplayer 11.5 Security (SmartCard Reader support) FBWF File Base Write Filter, EWF Enhanced Write Filter
Manageability	Scout Enterprise

Mainboard	
Mainboard type	D3003-A
Formfactor	miniITX
Processor	AMD G-Series G-T44R (1.2 GHz, 512 KB)
Processor options	AMD G-Series G-T56N (2 Cores / 2 Threads, 1.65 GHz, Dual Core, 2 x 512 KB)
Processor options	AMD G-Series G-T40N (2 Cores / 2 Threads, 1.00 GHz, Dual Core, 2 x 512 KB)
Chipset	AMD A55E Controller Hub
Processor quantity maximum	1
Memory slots	2 SO DIMM (DDR3, 1066 MHz)
Supported capacity RAM (max.)	4 GB
LAN	Built-in 10/100/1,000 MBit/s
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
Audio type	On board
Audio codec	Realtek ALC262
Audio features	AC'97 codec

Slots	
PCI-Express x1	1 x (155 mm /) low profile (optional)
PCI (32-bit / 33 MHz)	1 x (155 mm /) low profile (optional)

Interfaces	
	FUTRO S900
Audio: line-in	1
Audio: line-out	1
Front audio: headphone	1
Front audio: line-in / microphone	1
USB 2.0 total	8
USB front	2
USB rear	4
USB internal	2
DisplayPort	1 DP
DVI	1 DVI-I (integrated VGA can be used with DVI-VGA adapter)
Serial (RS-232)	2 external

Interfaces	
Mouse / Keyboard (PS/2)	2
Ethernet (RJ-45)	1

Graphics	
Graphics brand name	AMD Radeon™ HD 6320 (in combination with AMD G-Series G-T56N), AMD Radeon™ HD 6250 (in combination with AMD G-Series G-T44R), AMD Radeon™ HD 6290 (in combination with AMD G-Series G-T40N)
Graphics color depth	32 bit colors
Shared video memory	up to 256 MB
TFT resolution (VGA)	up to 1,920 x 1,200 pixel
TFT resolution (DVI)	up to 1,920 x 1,200 pixel
TFT resolution (DisplayPort)	up to 2,560 x 1,600 pixel
Graphics features	DirectX 11 Shader Model 5 Open CL® 1.1 (depending on CPU) OpenGL® 4.1
Graphics notes	Graphics resolution depending on operating system and management solution.

Network	
Network	TCP/IP with DNS and DHCP Point-to-Point protocol Supported Citrix Load Balancing over ICA DHCP support for automatic firmware upgrades and unit configuration Multiple master browser support on ICA

Electrical values	
Rated voltage range	100 V - 240 V (AC Input)
Rated frequency range	50 Hz - 60 Hz
Operating voltage range	100 V - 240 V (AC Input)
Operating line frequency range	50 Hz - 60 Hz
Power consumption for standard configuration with Windows Embedded Standard	

Dimensions / Weight / Environmental	
Dimension with stand (W x D x H)	97 x 191 x 266 mm
Operating position	Vertical / horizontal
Weight	1,3 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35 °C
Operating relative humidity	5 - 85 % (relative humidity)

Compliance	
Product	FUTRO S900
Model	TCS-D3003A
Germany	GS
Europe	CE certification according to EC Directive 2004/108/EEC CB
USA/Canada	CSA FCC Class B (depending on wireless configuration) CAN/CSA ICES-003 Class B
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment)
Japan	VCCI
India	WPC
Russia	GOST
Compliance notes	Energy Star compliance may vary depending on actual configuration

Compliance	
Compliance link	http://globalsp.ts.fujitsu.com/sites/certificates
Security	
System and BIOS Security	Write protection for the Flash module
User Security	Access protection via internal SmartCard reader (optional)
Warranty	
Standard Warranty	2 years (depending on country)
Service level	Bring-in Service (for countries within region FTS CEMEA&I, for all other countries depending on local regulations, minimum: 2 years material warranty)
Warranty Terms & Conditions	http://support.ts.fujitsu.com/warranty
Product Support Services - the perfect extension	
Recommended Service	9x5, Response Time: Next Business Day
Spare Parts availability	5 years after end of product life
Service Weblink	http://www.fujitsu.com/fts/services/support

Recommended Accessories

Midspan Micro Semi PD-9501G		Midspan Micro Semi PD-9501G is a single port Power over Ethernet solution, specially designed to power IEEE 802.11n and other high power Ethernet end Terminals with 60W. It is fully backward compatible and easy to implement in your existing Ethernet infrastructure.	Order Code: S26361-F1744-L10
Midspan Micro Semi PD-9512G		Midspan Micro Semi PD-9512G is a Power over Ethernet solution with 12 ports, -72W per port, specially designed to power network devices like cameras, access control systems, Thin Clients and other Ethernet end terminals. It is fully backward compatible and supports IPv4 and IPv6.	Order Code: S26361-F1744-L20
Mounting Kit Solution FUTRO S		The Fujitsu Mounting Kit Solution for FUTRO S gives you two options for mounting your thin client behind a display and hiding the system cables out of the way. The solid metal mounting bracket lets you mount directly to a VESA compatible display or via the included subadapter plate with Velcro™ strap for non-VESA displays.	Order Code: S26361-F2601-L530
Wireless Mouse Touch WI910		The Fujitsu Wireless Mouse Touch WI910 has a special touch sensitive surface that recognizes when your hand touches the mouse even before you move it. This provides nearly instantaneous wake-up from the intelligent energy saving sleep mode. Unbeatable responsiveness combines with features like switchable resolution, and three programmable buttons for a unique user experience.	Order Code: S26381-K465-L100
Mouse MC200		The Fujitsu Mouse MC200 provides SMB and enterprise the right combination of quality features and cost savings. It is appropriate for either right or left handed users and features two mouse buttons plus a scroll wheel that acts as a third button. It connects with a familiar plug and play USB interface for trouble free installation.	Order Code: S26381-K463-L100
Keyboard KB900		The KB900 is a very flat keyboard with extra low keys and spill-resistant protection. The elegant design and top-quality construction makes the KB900 the ideal input device for any PC or Notebook user. If you accidently spill some water or coffee onto the keyboard, this special construction helps the liquid to flow away.	S26381-K560-L4** (**: Country specific variation)

More information

Fujitsu OPTIMIZATION Services

In addition to FUJITSU FUTRO S900, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio
Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

More information

Learn more about FUJITSU FUTRO S900, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts/FUTRO

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.
Please find further information at http://www.fujitsu.com/global/about/environment

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Contact
Fujitsu Technology Solutions
Website: www.fujitsu.com/fts
2014-12-16 CE-EN

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